Ano

Snaugural Dipertation Propos March 1829

Harmoptysis

For

The Degree

Doctor of Medicine,

In

The University of Hennsylvania

Henry Lippincott

Fallington

Pennsylvania

January 64. 1829

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To John Phillips A.G. L. Of Bristol Fr.

Dear Fir,

I feel arriew, in departing from you under whose immediate and benevolent care have been directed my medical structure, that I may be permitted the privatege of these peublicly victoring you my most coordial thanks for the many distinguished services and attanks for the many distinguished services and attantions I have received, and hope that you will allow me to ordicat a continuance of them, logether with that confiding friendship by the influence of which I have so often been benefitted.

To you therefore, as a revon extensively agree inted with the thedical science, and when a repulsely in the practice of the profession, justly merils the distinguished repulsed or you have so happily acquired.

This dispertation is respectfully inscribed, By your friend and pupil, To Sprincotts you ma ad 46 ĥ -14

To the Medical Profestors of the University of Pennsylvania.

Gentlemen,

Thing sensible of the very prefitable information I have derived from your valuable and interesting abeting. I am prompted it take the liberty of their publicly lendering you my most meresely acknowledgments; as also for the many parental cautions with the good and instructive advice (so excepasy to the young practitioner) you have so yet been pleased to interpress throughout the decline of your have so the proposal individual and professive courses.

That the public may long continue to receive the salutary effects and experience of your endless remarks and improvements is the most ardent with the

Gentlemen Your humble and Obedient Servant IN Lifeincosts



Symptoms of Harmoplysis.

This disease means in the full acceptation of the term, a discharge of blood from the lungs, and it usually comes on with a sense of lightness, weight, or anxiety in the breast affecting the orgens of motion, which are increased on full inspiration; some times there is a slight uneasiness of breathing, and a short tiskling cough, which is much increased by moderate ever--cise: Tymptoms of fever are also present, such as shivering sensations, coldnoss of the extremities, slight pains in the back and loins, a sensation of heat under the observem, flushed com-- Enance, lassitude, flatulance, costiveness, a dry skin, & hard pulse; but still we must admit that these are subject to great variety, for I myself have seen the pulse full, soft, and frequent. Get it sometimes comes on suddenly without any such warnings as just mentioned, the flow of blood being the first and only symptom observed, and this is said to be irremediately preceded by a saltish taste in the mouth, with somewhat of coughing from a slight lickling sensation being felt at the top of the laryax, to relieve this a hawking is



made, which brings up from the lungs a small portion of blood of a florid arterial colour, and of a prothy appearance, which is quite sufficient to characterize the disease; the irritation soon returns and in the same manner more is brought up with a rattling noise in the windpipe; the tongue generally wears a natural appearance; there is nothing worthy of notice in the blood drawn from a vein, except there exist a scrofulous predisposition in the system, in which, my Preceptor informs me he generally finds the blood sizy . - This is commonby the manner in which Harmoply sis begins; in some instances the blood that is discharged is in very small quan - lity, and ceases spontaneously or is stopped by the remedies employed; in other cases a slight spitting continues for several days together, and is often renewed on very Hight exertions.

of the Remote Causes.

blaving new given in as brief and conside a manner as populate some of the principal sumptions by which this disease may be characterized. I that next proceed



causes that are connected with Farmortysis; for it is by these we are to determine the probable and most likely terminations of the disease, and at the same time to be directed in our method of treatment. The first and most important of these causes, texture, covered only by a thin and tender membrane; conse-- quently from this circumstance together with their lepur capa city to resist the momentum of the blood, which receptarily flowr with greater rapidity through them than any other refuls of the body; and from the great number of exhalent net sels that always exist in the mucous membranes, having here but a short course to run from the superficial site-- attom of the blood velsels, it is clear that whatever would have a tendency to produce congestion, must undoubted - by expose them more or less to rupture and anastonssis, the latter being unquestionably the most prequent cause as has been satisfactorily proved by Bichat.



The second and but little injerior to this, is that of a scropulous diathesis, which claims perhaps an agent share of attention with the first, expecially from a consideration of its being a complaint that is more gradual in its advancements and more difficult to repel; - Persons of this description are therefore much exposed to Harmoptysis, and we accordingby inger, that it is in such cases often hereditary . -

A third predisposing cause may be considered the par-- lisular time of life in which it happens. It was amark--ed by Hippocrates and has since been confirmed by mod--ern observation, that Hermophysis chiefly prevails in person between the ages of pifteen and thirty-five. It very racely happens to children under twelve years of age, and is not prequent after that of five and thirty. To whatever cause it may be referred, the fact is unques-- tionable , that there is a remarkable predisposition to hemorrhage from the lungs at this period of life.

Of the Exciting Causes.

These we find are very numerous, some acting



more immediately upon the lungs, and others indirectly through the medium of the general system. Those which are considered the most important, and that act directly whon the weak blood vefeels, are external injuries or violence which form congestions; as by any violent exertion either in nunning, jumping, wrestling, fighting, lifting heavy weights, or loud speaking singing, playing on wind instruments of music, bursts of laughter, violent paroxysms of passion, of glass blowing or of protracted coughs. Those which act indirectly, are full or irregular living, exceptive drinking, breathing air which is too much rarefied by heat, by being confined in hot stone rooms and crowded aftermblies .or at some allege from some considerable and sudden diminution of the weight of the atmosphere, which apparent - by occasions the same effect as heat; as instanced in those ascending very high mountains, which has been July verified by Dr. Paupsure and Baron Flumboldt - and in further confirmation Ir. Meade mention



an instance in Edinburgh of several cases of Harmoplysis having occurred on an occasion of an eclipse of the Tun, the atmosphere being found lighter at the time by the Barometer than it had ever been known to be in that place. It may also occur to persons who have suffer--ed from a suppression of some assertomed and peculiar evacuation, the most frequent instance of which is in females in whom the calamenial discharge has been arrested; and also to those of debilitated constitutions, who have for years had discharges kept up by incurable ulcers, that have served as ifsues or drains; which so long as they have been kept open have tended to appeare a cough or some other troublesome symptom: But un--der these circumstances should they be supprefued by an ampertation, Professor Gibson remarks, "that the patient perhaps in a short time gets apparent by well, but in the course of a few months, evident disorder of some of the internal organs, and of the lungs es--pecially shows itself, & death in a short time follows. +

20.00 the the -Ra

Diagnosis

We must acknowledge that it is not always easy to delermine from what internal part the blood proceeds when thrown out of the mouth, whether it is from the stomach, mouth, facuses, traches, the adjoining cavilles of the more or length.

is as linguish transpizais from Tamahmasi which it most recembles, in are it recollect that hamorphases from the stranspiral care more officers any pour hampensay appellion whatever accides is there any overhouseful up by or opposition in the threat; the blood is brought up by woulding, and is conspound a house, black, and openious appearance, as also by being minded with the continuit of the stimuch, and is commonly in greater quantity them when it proceed from the lamps! the pulse is much more reduced from the lamps! but the stimuch have reduced grown a temorrhape of the stimuch than from the lamps!

It is distinguished when coming from the internal surface of the mouth, by its being unaccom-



funied with cough, dayspaper, or hawking, neither is there any pain or oppression in the thorax; and over over may ravidy be seen by an examination.

When he blood proceed from the irachea, facuse, or assistance, carried of the nove, it may be expectionally by mere howevery, and generally it is of a left florid or arterial colour than when it is brought from the lungs.—

The appearance of the blood and the manner in which it is brought from the lungs has already been noticed.

Prognosis.

Of the perspected of diseases, it will be admitted that the tack is often very perpliciting and embarrapting, particularly to predict with any kind of certainty on the termination of diseases, that are so projecult by involved in streetly, together with the consideration that patients often recover under very unfavorestly circumstances, whilst others have died



when the most favourable prognostics altereded them: But of the present disease Berngreyses I think it is very carely attained with invenentials danger. I peoply to Chapman has seen but one case of death from the respirer left of blook in the courts of his very extension, practice. It far as the disease is takento the and as the more effective of blook is concerned it conserved to construct it was undoubtedly be considered as provinced. Neither can it to considered dangerous where he symptoms of Policies Indian-considered dangerous where he symptoms of Policies Indian-considered shave proceeded or accompanied the Kemovochapu-

I am took by Gortheller, my preception that whose there is a conspection distributed on an horacletary precisions to the thick Independent, horaclety the sense had in consemplies. The lange bearing appeted from to prepared the sugarous able whom the supported of the lange bearing appeted from to prepared hamorrhage, and also when it altered persons of a tourist hamorrhage, and also when it altered persons of a tourist hamorrhage, and also when it altered persons of a tourist hamorrhage is often indused in penals by a suppreprion of the automatical discharge influences of publishmenance consumption, and may be considered as an appealing of the most alcorosing import—



Treatment.

In the treatment of Harmoplysis our first attention must be directed to check the immediate effusion of blood, and for this purpose the reduction of the artirial system by our exection claims our notice, and that we may derive ample Senefit from the practice, it is necessary to make a large orifice, by this means the system feels the impression more fully, and the flow of blood is immediately diverted from the lungs, whilst small and repeated bleedings can only pre-- duce a Emporary relief, and puts the patient to unnexes-- sary trouble and inconvenience, which under these cir--curnstances should always be carefully avoided . Hoseby connected to blood atting in its effect I have jound the internal exhibition of the Chloride of Lodium prove very of-- fixacious in checking the hemorrhage: It is generally ad-· ministered in the dose of a tea- spronged every five or ten minutes according to circumstances, directing the patient to take it in a dry state, and as it gradually dissolves in his mouth to swallow the salution by degrees. All kind



of version thought is avoided that would have a tensioney to inoccor the circulation, and more particularly that of theaking, cold air should be permitted to pass preby through the
apartment, being careful at the same lime, to have the patient
coursed with as few bed alother as possible. In addition to
the above may be administered in, or in-cold acidetaled
which obtains beauful has also resulted from the use of
cold applications to the about and arm pits which are
very seive philibe to the action of cold.

These remedies failing our new resource may be to the least of least in the down of him or these grains combound with the fourth or doubt of a grain of opinion given were the so hours, this is a remedy I have employed with grant advantage on deveral occasions.

Him has claimed the attention of some fractitioners as a ramenty in homorophage, but it seems bettered, entalled to prevent the reservence than to check it.

The dulphales of give and copper given in such doses as to excite naccesso may be of services.



by the organists advingents, Time and Caltahu Lawrence in employed; but at their utility is but throughout they have been despersabled by the more active preparation of the Madria Madria. It a remain Replier Good facility of the white oak back in decoation.

Sigilales is preguently amployed in the discussion, but the ease it which it seems most particularly appropriate is that, wherein the discharge of blood is slightly and there wist a hacking cough, pain in the side and breast lights or with much weathurft, or in other words, where symptomy of pulmonary discusse continue after the wisteness of the first altack is sendoused. Under these circumstances I would suggest the Buffee acid as a remarky.

As one of the modes of treating Greenplips I find had Emilies have been employed for a long time; they were originally introduced in the treatment of this distance by Dr. B. Robinson of Lutten. In cappleying them it would be well to report previously to the remedial until the expetim be reduced to that state extersion until the experience.



there is but a slight discharge, they then may be considered as proper and judicious. I am not unconscious that it has been said, that Dr. Willis, who is considered to be good authority, was in the habit of resorting to emelies in all cases of Harmoplysis and fully confided in them above all other means, as well on account of their safety as efficacy: But whom the whole , I should consider the most-judicious plan of administering them, would be in naurating dose to by this class of remedies, the Emelie tartar has been much used, and with pescellar advantage in febrile he morrhages given in small dotes. A solution of the Sulphate of zine has been highly recommended for the same purpose by the celebrated Mosely and the late Dr. Barton. The cacuarka is considered to be a valuable and most important remedy, and should be given according to the necepity of the case in small does from a half to two grains; or what may answer better to combine with each dose about the fourth or sixth of a grain of opium.

The refrigerant medicines are sometimes employed



in the treatment of Internary hamorrhage, Among which are the howthat will and many of the aride. The Nothick of Shouth is the most accepted expaniating in recomming or what will make if the thirty grains, thereof his to thirty grains, thereof our thirties does not resilt coughing, or it may be combined with minute does not the authority of the authority preparations. I this before makes of the authority this medicine, is, by delibering as make of the authority this medicine, is, by delibering as given in the course of a day. If it should be given in seach quantities or it operate on the hidney, it is dead, that be applicated effect with also reveal from the preactive.

In addition to the presenting remadies I find that the source been imployed with some advantage whon the principle of quicking irritation and sub-desing arterial action. If signature, which is generally considered to be appostuled with their class I have already spoken. To which I may add the Courtie and Tendent, and their and venture.



I have no knowledge in the treatment of the prevent desence, Whilst opium by its sentation affects has proved very beneficial although extremed by some practitioners as a slimwhich providely may be the cave: Get the factment be admitted, that the opiates are indispensable,
harticularly when the hemorphage has been aggreened by the irritation being kept up in the permonary
organs by the action of coughing or drypnose.

It yet I have not relaced the state of the bound, which should not be neglected, as soon as the place of blood is checked the value purgative, such as the Eproom state is. might be stown from their operating with the least nauven or irritation. Castor oil of the stownsh can retain it answers very with the sound is apt to except our first and with the exit and the pulling with the exit conditions, with the result our first and drived after taking it. When he pelmonary appealson is combined with some divorder of the disestion organs, the there pith is recommended by all where they, very



other night, to be worked off the next morning by Choom salls or Cream of Cartar.

I have now given the general plan of treatment that is commonly adopted by the most eminent practitioners for the relief of active hemorrhage from the lungs, and shall next say a few words on Papeive hemorrhage, in that of debilitated action in which there is a weakness of the pulse with much emasiation; it mostly happens to the valetudinary, and it is not uncommon to find the patient so much exhausted, that we are deterred from bleeding; this circumstance is oftentimes owing to the under determination to the lungs which consequently become congested, hence the indication here is clear, that we must at once interrupt and disperse those morbid congestions; and to altain this end in the most effectual manner we immediately resort to cupping or leaching, giving at the same time a teaspoonful of the Spirits of turpentine every half hour. After we are fully assured the blood is removed



from these conjection by the cose of the Europea to support the loss of the survivan back. And if the Minaral acids, which claim attention in this stage of the disease, the Supposes and Istice are prepared, marely to suppose the bleeding the Supposes in the best out to aclipy the existence the Supposes the suppose t

With these remotive we generally treat feeth or proposition from the lunge, to which may be added, provided the palicule system be provinedly prehared, the habitual use of moderale exercise on horseback, by assertiting diet as mith and eggs, and by matthiguous expressely torter.

As Hemostiphis is sometimes connected with constifulional appellions. There is a liability of its recurrence from any shight provocation, is avoid which the following prophylactic precepts should be strictly observed.

14 - Avoid every circumstance which would have



a Undersoy to increase the circulation, hence we hould direct a mild diet gentle exercise, and a perfect abolisance from exciling causes of every hind. 2½ Moved taking cold by overy postable precaulien,

22 Avoid taking cold by vorry pepieble precaution, for nothing is so apt to produce a recurrence of the hemoropage as catherh.

312. In cases where there is a strong prediposition to this disease, which attends must be paid to the state of the chart, puton, and respiration, which must all be regulated by the discriminating judgment of the practitioner.

44. If the exist any local affection, much good with result from the use of blisters or selons.

54. In obstancte cases sationation may be resorted to by which the disease may possibly be sup-

I shall conclude by observing, that it sometimes happens with our very best treatment; that the disease resists all our endeavours,

-planted.



when as a last resource we should advise the removal of the patient to a warm climati and if possible to have him removed thither by a sea voyage.

